

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:  
an image bearing member;  
a transfer member for transferring an image from  
5 said image bearing member to a recording material;  
fixing means for fixing an image onto the  
recording material, said fixing means including a  
heating member and back-up roller for forming a nip  
in cooperation with said heating member;  
10 wherein said back-up roller has a conductive  
material containing layer; and  
wherein a voltage applied to said transfer  
member when the recording material is a resin sheet  
is lower than a voltage applied thereto when the  
15 recording material is paper.

2. An image forming apparatus according to  
claim 1, wherein the voltage applied to said transfer  
member when the recording material is a resin sheet  
20 is 3% to 80% of the voltage applied thereto when the  
recording material is paper.

3. An image forming apparatus according to  
claim 1, wherein a resistance value of said  
25 conductive material containing layer of said back-up  
roller is equal to or less than  $10^{13}$   $\Omega/\text{sq}$  in terms of  
a surface resistance or equal to or less than  $10^{11}$   $\Omega\text{cm}$

in terms of a volume resistance.

4. An image forming apparatus according to claim 1, wherein said back-up roller has an elastic layer and a surface resin layer, and at least one of said elastic layer and said surface resin layer contains the conductive material.

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